



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
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**TECHNICAL DATA**

**CLAYBURN CAST 50 LC**

CLAYBURN CAST 50 LC is a low moisture, low cement, super duty castable for service up to 3000°F. This product has superior strength and abrasion resistance as compared to conventional castables of the same classification.

**SERVICE TEMPERATURE:** 3000°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 148 lbs./cu. ft.  
**CASTING WATER (Approx. by Wt.):** 7 – 7.5%

**TYPICAL CHEMICAL ANALYSIS**  
(Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	Alkalies	Other
48.8	46.4	0.8	1.4	0.1	2.1	0.2	0.2

**TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1350	4,300	Nil
1500	1950	7,800	-0.2
2000	2400	12,100	-0.2
2500	2000	10,500	+0.9

**ABRASION LOSS:** 5.8 cc After 1500°F

**APP. POROSITY:** 12.5% After 1500°F

**HOT MOR:** at 1500°F - 2500 psi  
at 2000°F - 3100 psi

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The data represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specifications.